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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/678,753	10/06/2003	Martin Lambert	15540-010001 / 18.00277;	6623
26.161 7550 FISH & RICHARDSON PC P.O. BOX 1022			EXAMINER	
			ELVE, MARIA ALEXANDRA	
MINNEAPOLIS, MN 55440-1022			ART UNIT	PAPER NUMBER
			3742	
			MAIL DATE	DELIVERY MODE
			08/19/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) 10/678,753 LAMBERT, MARTIN Office Action Summary Examiner Art Unit M. Alexandra Elve 3742 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 11 June 2008. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1.5-13 and 15-17 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) _____ is/are allowed. 6) Claim(s) 1,5-13 and 15-17 is/are rejected. 7) Claim(s) _____ is/are objected to. 8) Claim(s) _____ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on 06 October 2003 is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)

Notice of Draftsperson's Patent Drawing Review (PTO-948)

Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date ______.

Paper No(s)/Mail Date.

6) Other:

5) Notice of Informal Patent Application

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DETAILED ACTION

Specification

The amendment filed 6/11/08 is objected to under 35 U.S.C. 132(a) because it introduces new matter into the disclosure. 35 U.S.C. 132(a) states that no amendment shall introduce new matter into the disclosure of the invention. The added material which is not supported by the original disclosure is as follows: applicant's specification teaches that the valve disk and pin are movable but does not specifically teach that they move in unison and/or they descend together.

Applicant is required to cancel the new matter in the reply to this Office Action.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior at are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1, 5, 7-8, 10-13, & 15-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shioji, (USPN 5,763,855).in view of Riedlinger et al. (USPN 5,895,208).

Shioji discloses a laser beam machine having nitrogen gas supplied to the optical path. A relief valve (35) is connected to a discharge port (chamber) (34). The pressure within the optical path cover of the optical system is kept higher than the atmospheric

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(outside air) pressure. It is possible to construct the optical path cover is such a way that part of the supplied gas can be discharged to the outside through an appropriate gap formed between the connection portions of some elements of the optical path cover. Thus is this embodiment in order to maintain the pressure within the optical path cover under a stable constant value, a discharge port is formed at a position of the optical path cover and further a relief valve is connected to this discharge port. Consequently, the inner pressure within the optical path cover can be maintained at a substantially constant level through the relief valve, even if the volume of the optical path cover is decreased or increased and thereby the inner pressure thereof is increased or decreased, for example when the laser beam head is moved.

Shioji discloses a relief valve but not the specific components of the valve.

Riedlinger et al. discloses a pressure relief valve. The pressure relief valve has a disc with a central mount, preferably by a pin penetrating it and the valve seat or the valve disc on the side.

It would have been obvious to one of ordinary skill in the art at the time of the invention to use a pressure relief valve with a disc and pin as taught by Riedlinger et al. in the Shioji system because this is merely a common embodiment of a pressure relief valve.

Claims 6 & 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shioji, as stated above and further in view of Weick et al. (USPN 5,811,753). Application/Control Number: 10/678,753

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Shioji discloses that the pressure within the optical path cover of the optical system is kept higher than the atmospheric (outside air) pressure, but does not teach dealing with an overpressure.

Weick et al. disclose a laser beam machine having a gas filled beam conduit. The beam conduit is filled with air and a limited amount of CO₂. An adjustable outlet filter on the outlet hole is used to regulate/vent the excess pressure inside the beam delivery tube.

It would have been obvious to one of ordinary skill in the art at the time of the invention to regulate/vent excess pressure as taught by Weick et al. in the Shioji system because it keeps a constant pressure (stable constant value) in the optical path.

Response to Amendment

The amendment filed 6/11/08 is objected to under 35 U.S.C. 132(a) because it introduces new matter into the disclosure. 35 U.S.C. 132(a) states that no amendment shall introduce new matter into the disclosure of the invention. The added material which is not supported by the original disclosure is as follows: applicant's specification teaches that the valve disk and pin are movable but does not specifically teach that they move in unison and/or they descend together.

Applicant is required to cancel the new matter in the reply to this Office Action.

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Response to Arguments

Applicant's arguments filed 12/19/07 have been fully considered but they are not persuasive.

Applicant argues that the prior art does not teach the valve disk and pin descending together. It is the position of the examiner that applicant's amendments with respect to the disk and pin motion unison descent is new matter.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to M. Alexandra Elve whose telephone number is 571-272-1173. The examiner can normally be reached on 7:30-4:00 Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tu B. Hoang can be reached on 571-272-4780. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

August 17, 2008.

/M. Alexandra Elve/ Primary Examiner, Art Unit 3742